

Federal and State *C. cactorum* Survey Activities in the United States

International *Cactoblastis cactorum* Conference
Phoenix, Arizona
May 9, 2007

Joel Floyd
Team Leader, Emergency Planning
Emergency and Domestic Programs
USDA, APHIS, PPQ
Riverdale, MD



Overall U.S. *Cactoblastis cactorum* Detection Efforts



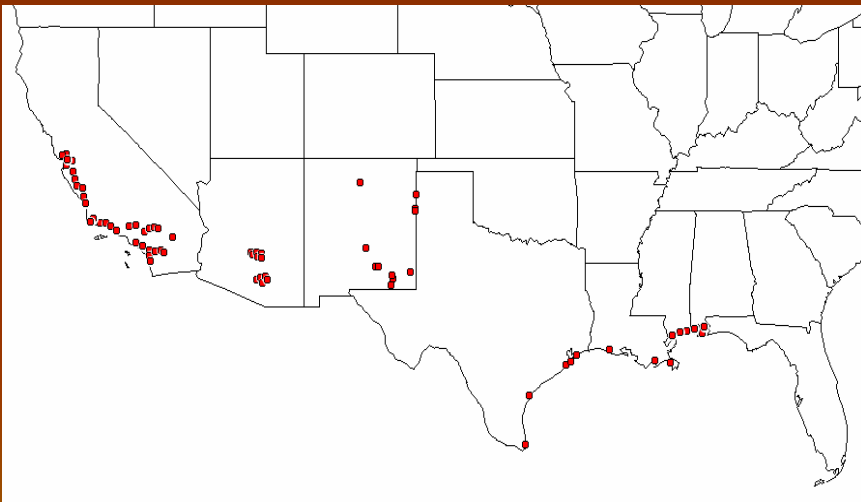
Traps with experimental lure



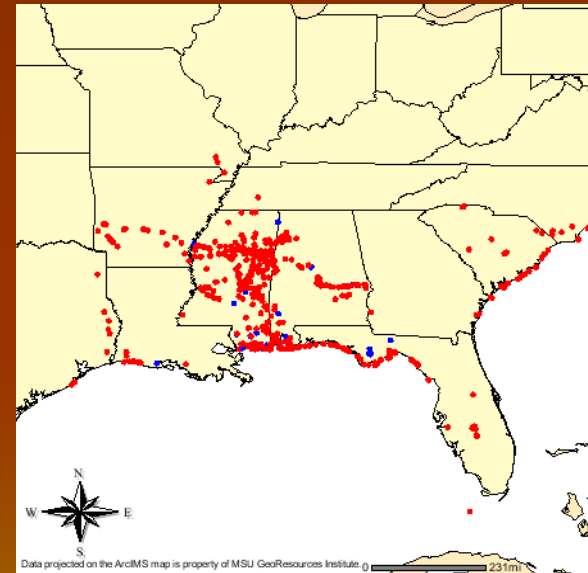
Visual surveys, Sentinel sites

Since 2005, Cooperative
Surveys – PPQ and CAPS

USGS, Mississippi State Univ.
GeoResources Institute



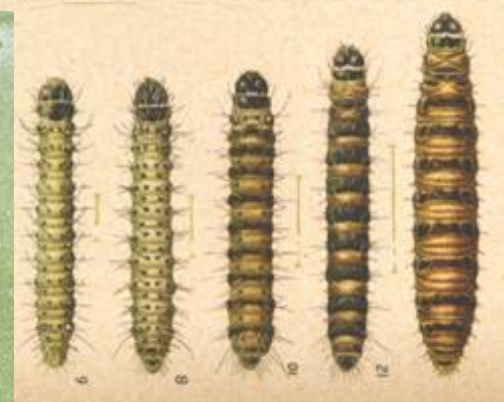
Nurseries,
Residential



Managed Lands,
Master Gardeners

Cactus Moth Identification Support

- Dr. Richard Brown, entomologist, MSU
- Alma Solis, ARS Systematic Entomology Laboratory, Smithsonian



Impact of Hurricanes ?

Hurricanes Ivan (2004) and Katrina (2005)

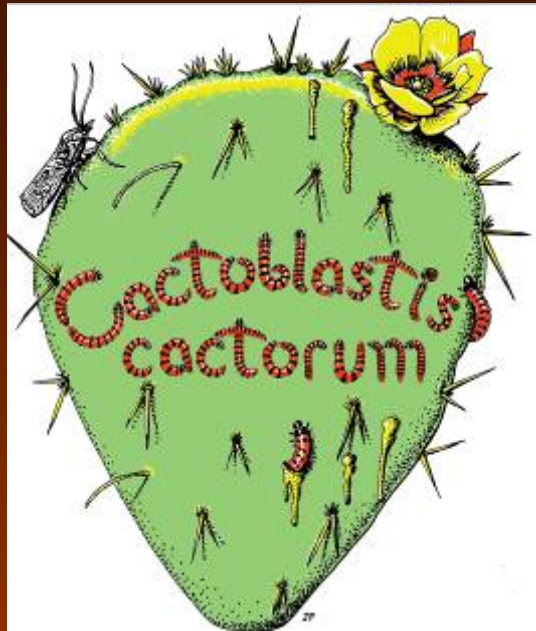


Goal: Increased Chances of Early Detection

Priorities

1. Around Leading Edge
2. Along Gulf Coast
3. In Western States

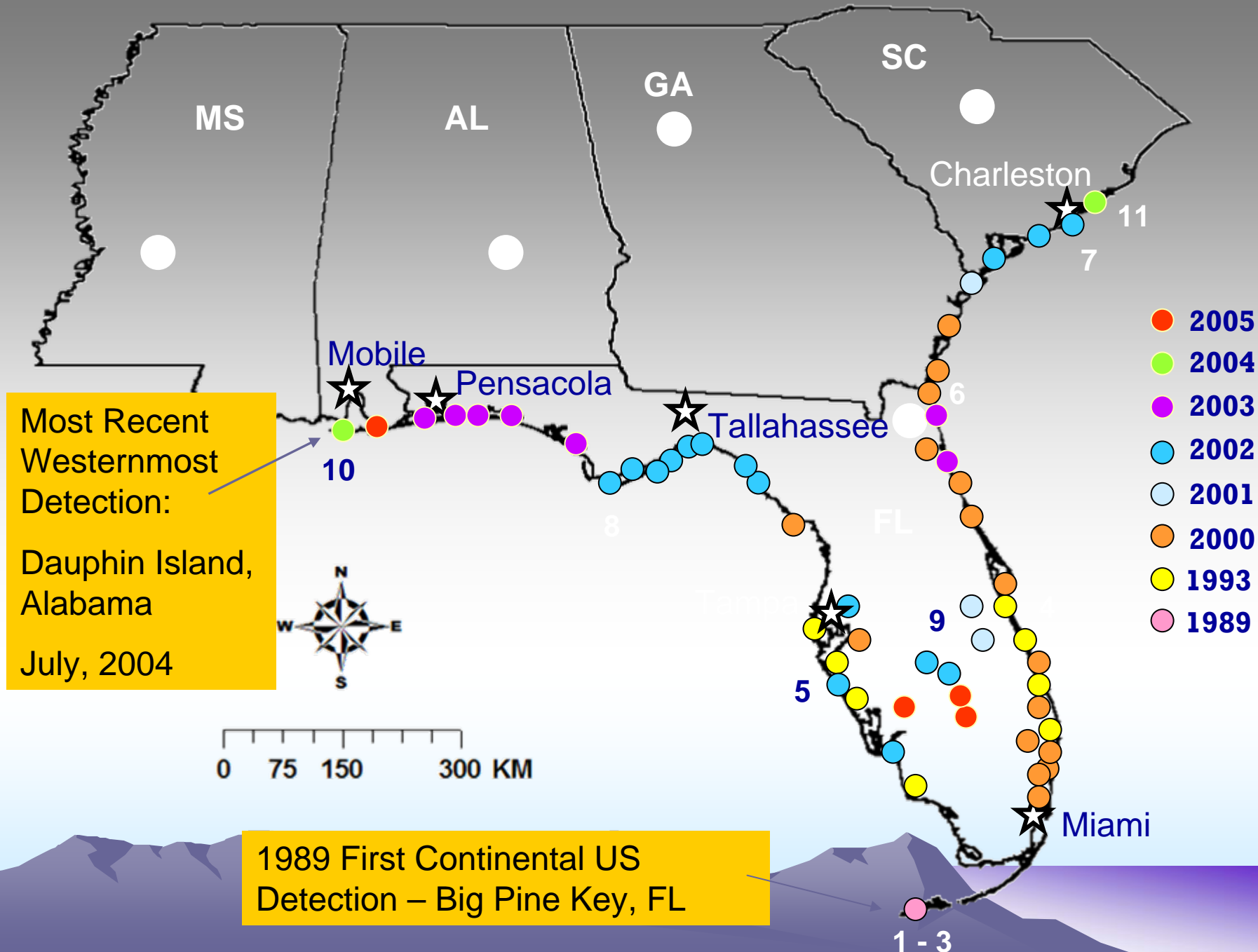




History of Surveys

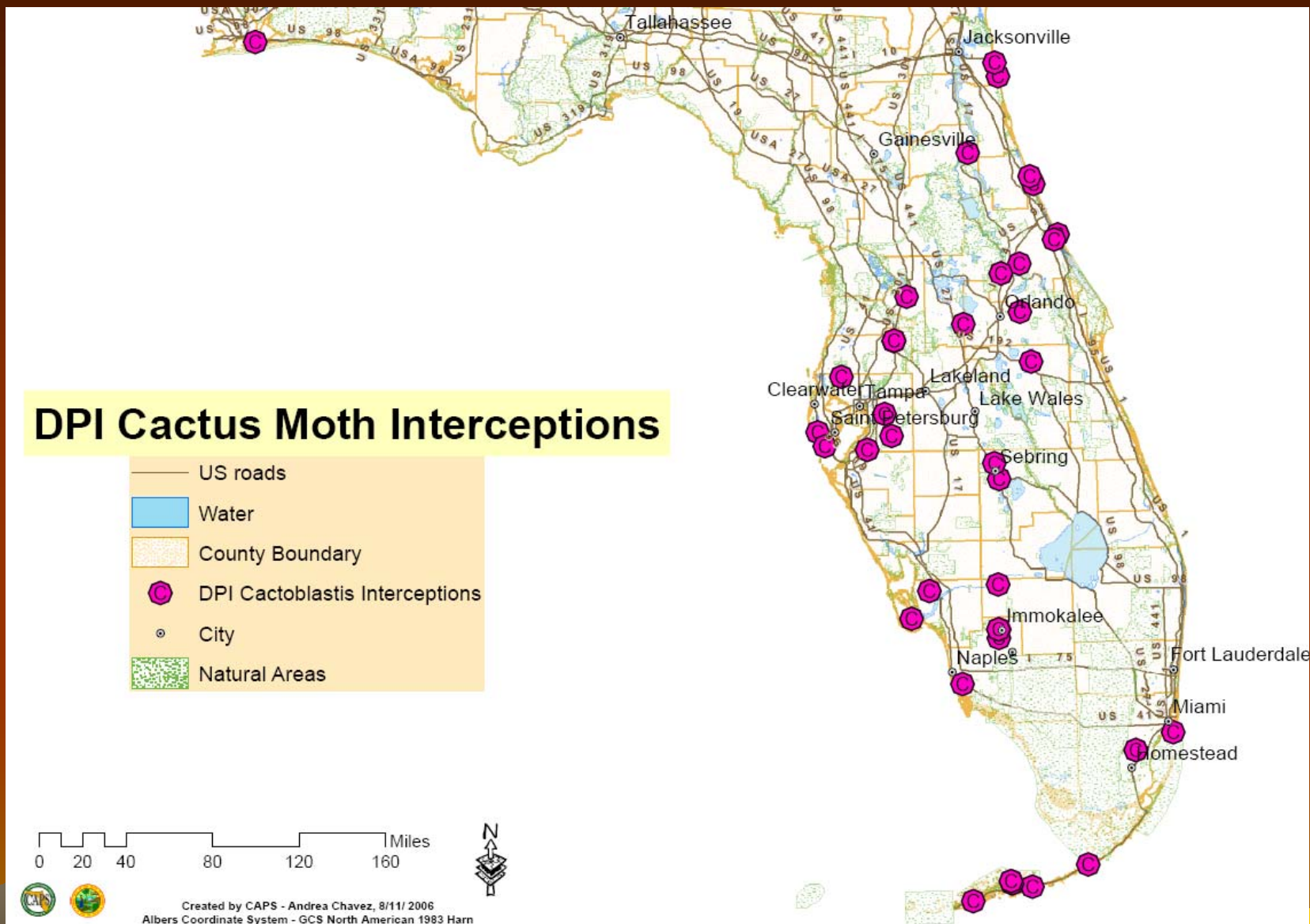
- USDA Agriculture Research Service
- Florida DACS-Division of Plant Industry
- PPQ/Cooperative Agriculture Pest Survey
- US Geological Survey – Mississippi State University

USDA- ARS *Cactoblastis cactorum* detections in the Southeastern United States



Florida Department of Food and Consumer Services Division of Plant Industry

Cactoblastis cactorum detections in the Southeastern United States

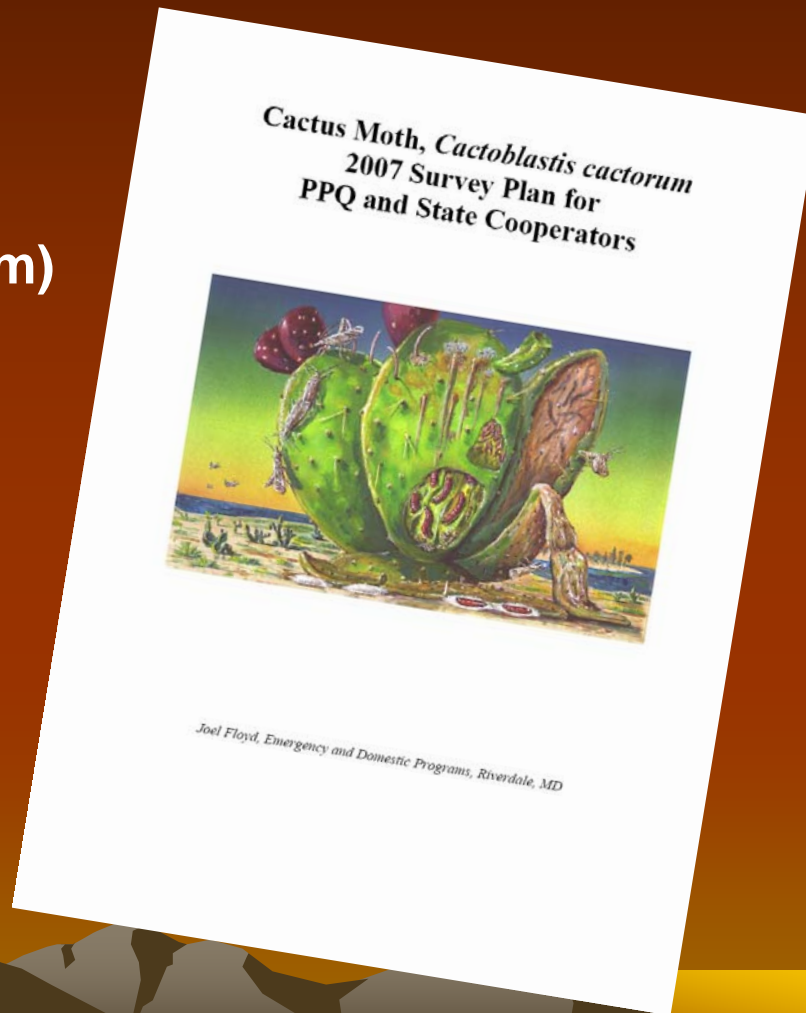


2007 Survey Plan for PPQ and State Cooperators

Data Entered in :

NAPIS

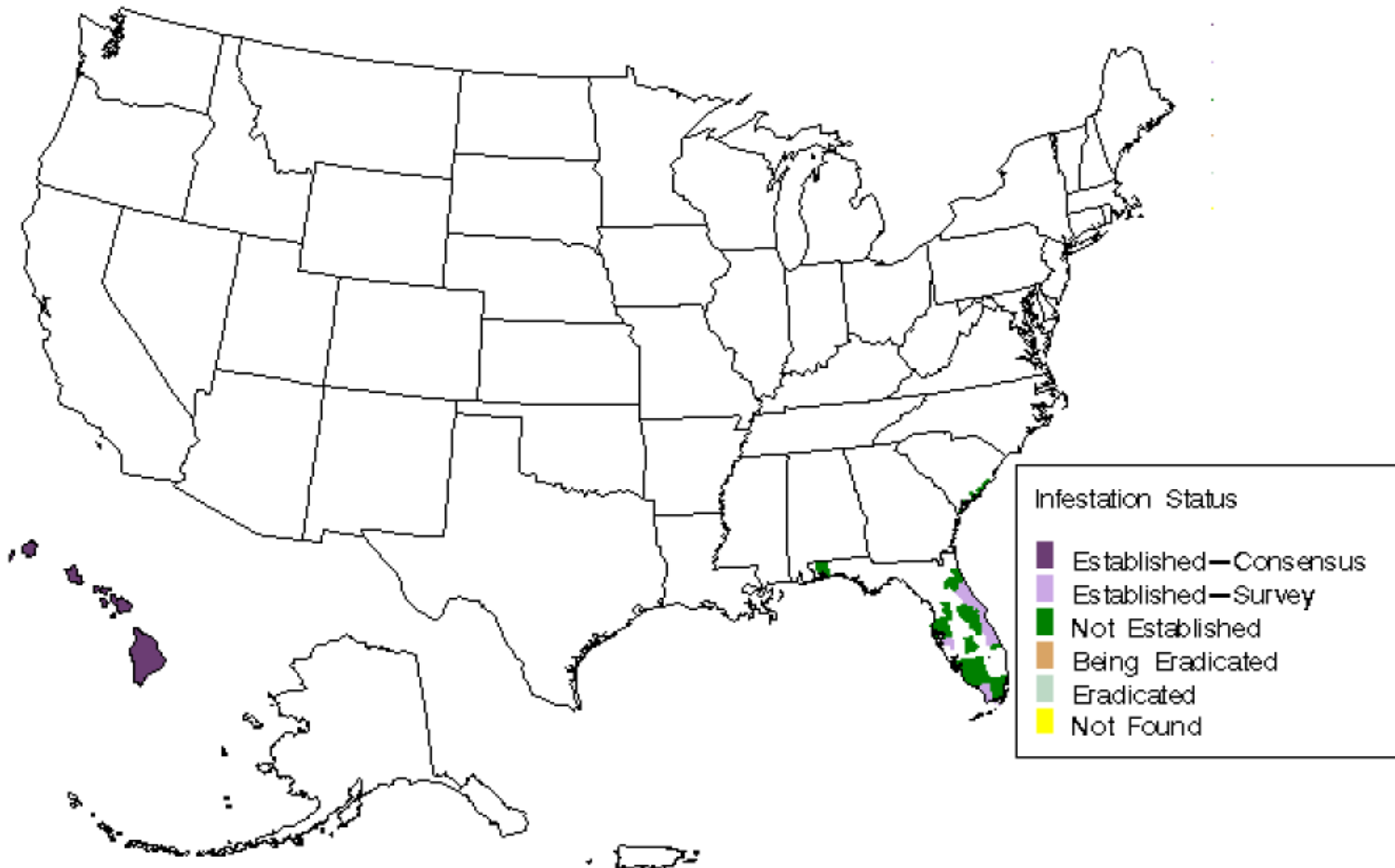
(National Agriculture
Pest Information System)



NAPIS Data for *Cactoblastis cactorum*: 1969 - 2003

Reported Status of
CACTUS MOTH , CACTOBLASTIS CACTORUM
in US and Puerto Rico (01/01/1969–12/30/2003)

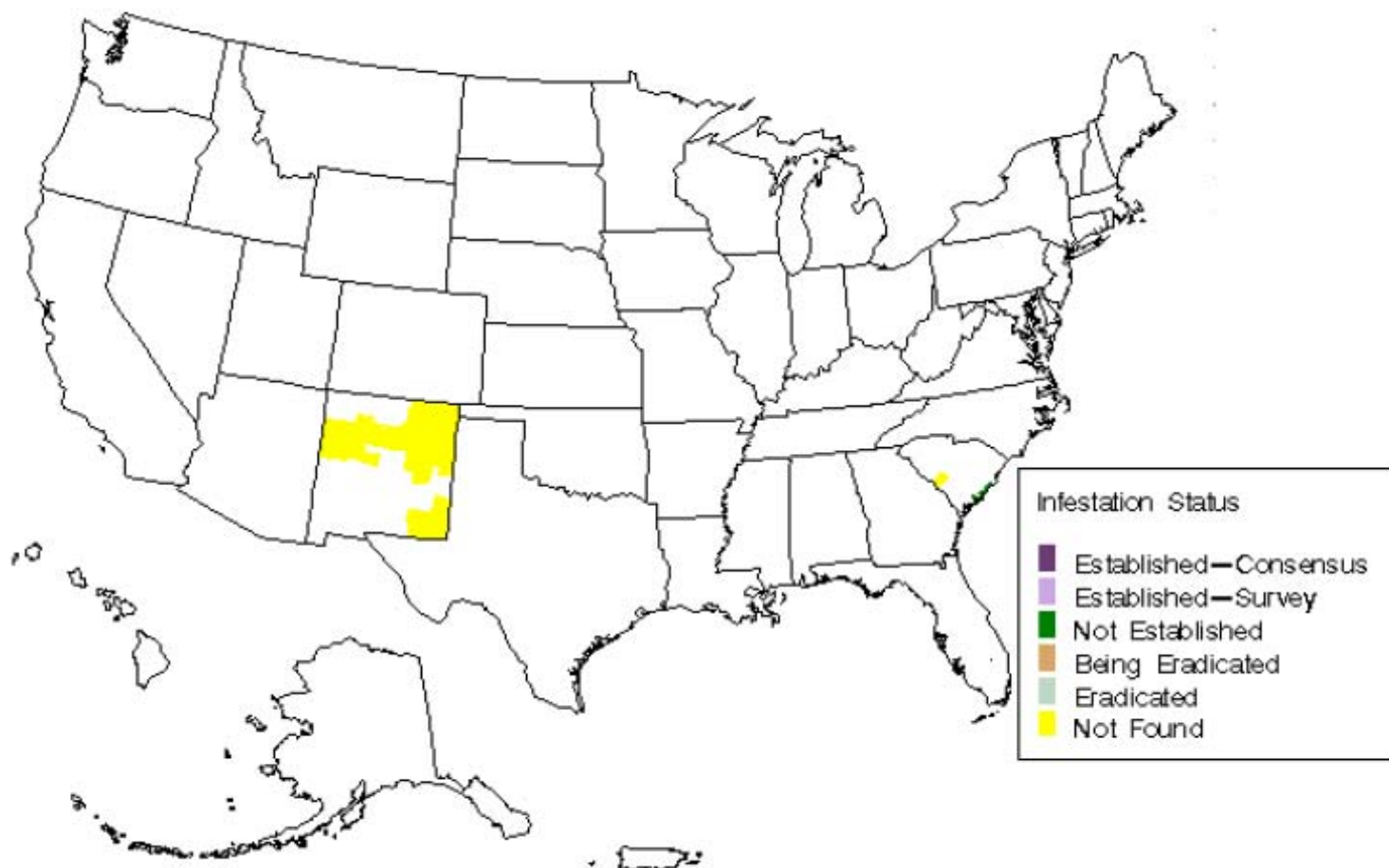
Data retrieved from National Agricultural Pest Information System on 04/10/2007



NAPIS Data for *Cactoblastis cactorum*: 2004

Reported Status of
CACTUS MOTH , CACTOBLASTIS CACTORUM
in US and Puerto Rico (01/01/2004–12/31/2004)

Data retrieved from National Agricultural Pest Information System on 04/10/2007

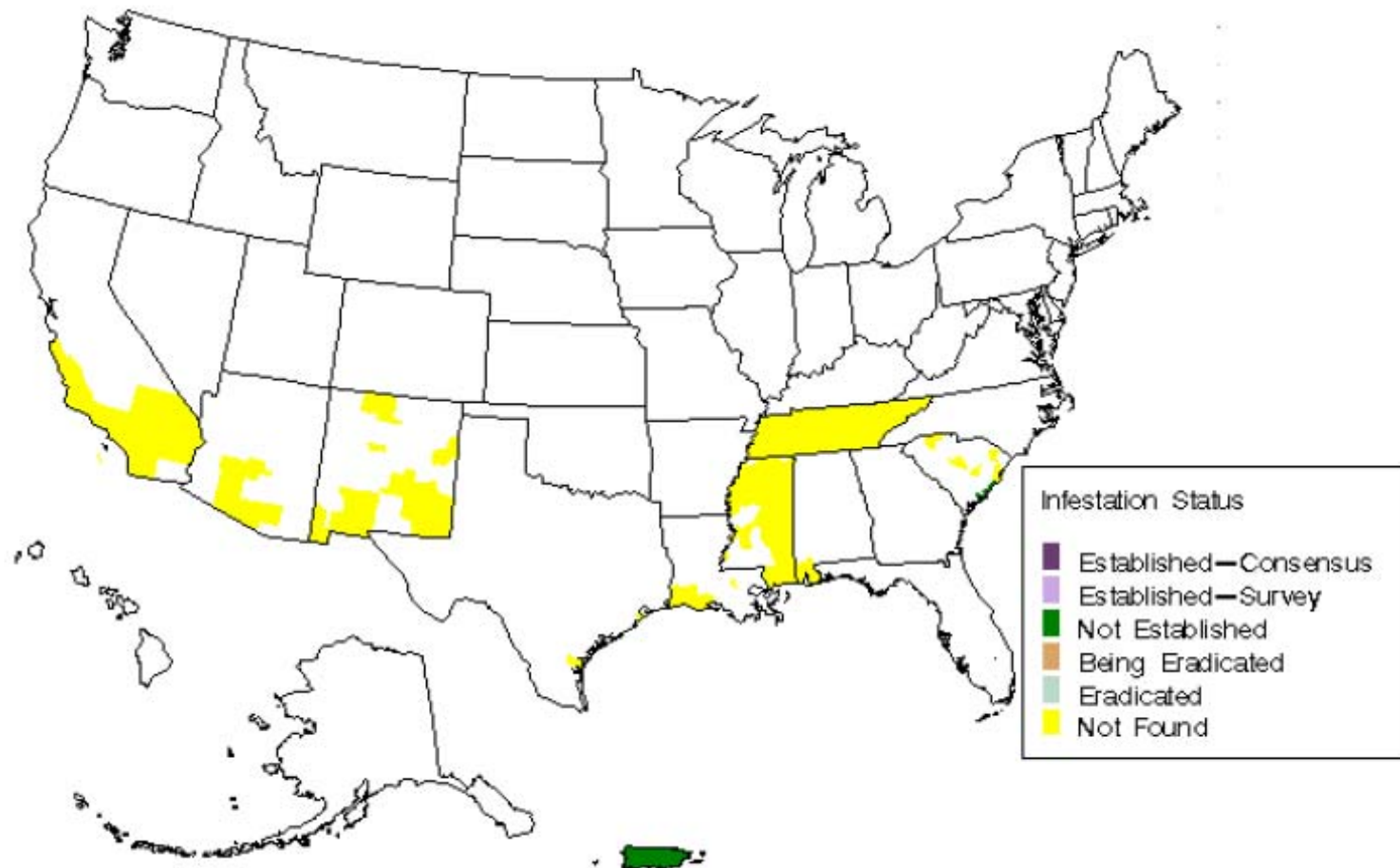


NAPIS Data for *Cactoblastis cactorum*: 2005

Reported Status of **CACTUS MOTH , CACTOBLASTIS CACTORUM**

in US and Puerto Rico (01/01/2005–12/31/2005)

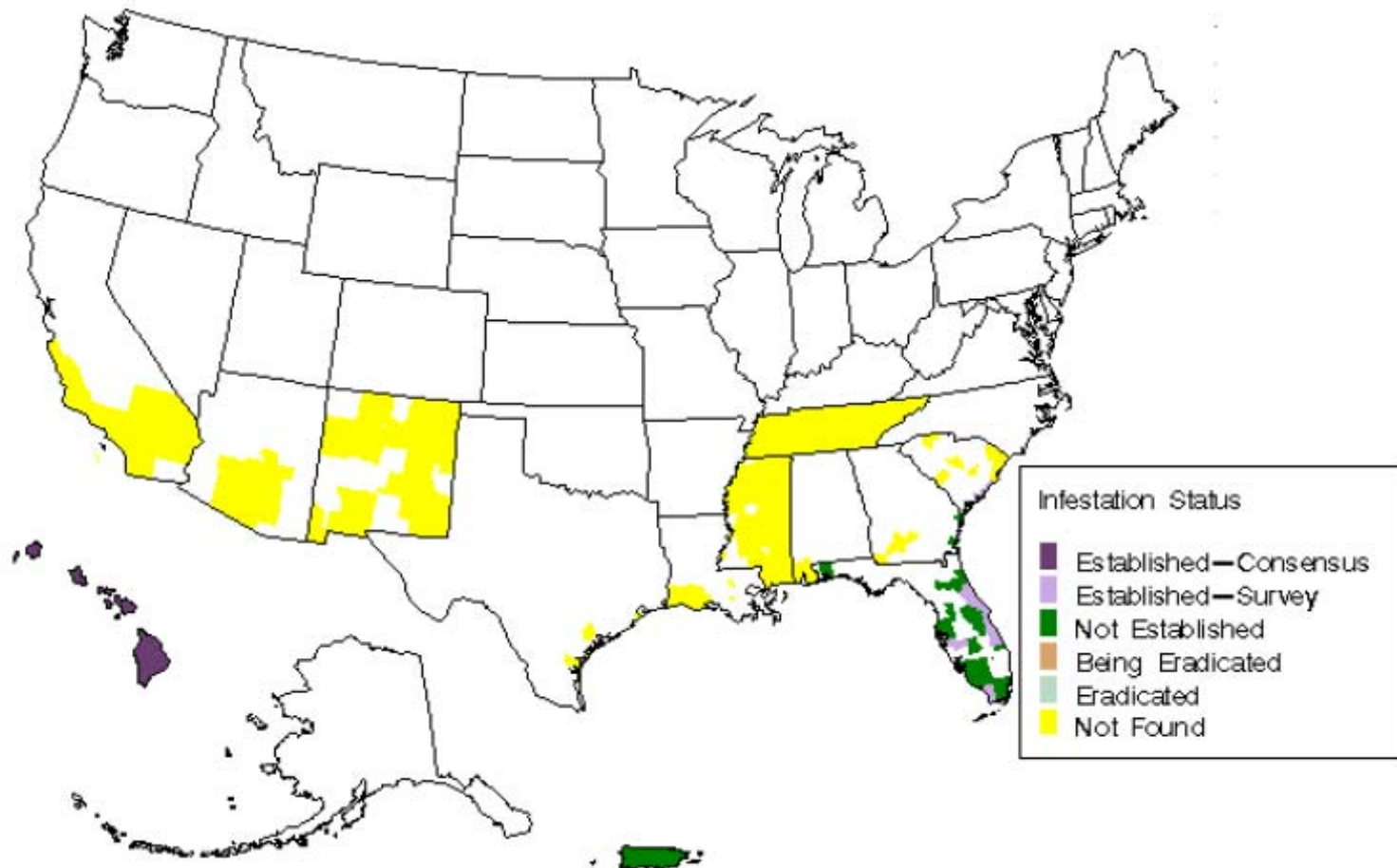
Data retrieved from National Agricultural Pest Information System on 04/10/2007



NAPIS Data for *Cactoblastis cactorum*: 2006

Reported Status of
CACTUS MOTH , CACTOBLASTIS CACTORUM
in US and Puerto Rico

Data retrieved from National Agricultural Pest Information System on 04/10/2007



Future *Cactoblastis* Survey Priorities

- Increased surveys in:
 - Mississippi
 - Gulf Islands
 - Louisiana
 - Gulf Islands
 - Texas
 - PPQ – Gulf Coast trapping
 - Texas A&M Cooperative Extension – Visual observation
 - The Nature Conservancy preserves– sentinel sites
 - Dept of Interior- National Wildlife Refuges, National Seashores, etc.
 - CA, AZ, NM
 - More counties
 - Other western states - NV, UT, CO

